Laurentian Forestry Centre
Canadian Forest Service

The Laurentian Forestry Centre (LFC), located in Quebec City near Université Laval, is one of five national research establishments of the Canadian Forest Service, which is part of Natural Resources Canada. More than 200 people work at the Laurentian Forestry Centre. LFC staff carry out a wide range of activities, including field research, laboratory and greenhouse trials, information and data analysis and remote sensing, to help maintain forest health and promote the vitality of the forest sector.

Primary research areas at the Laurentian Forestry Centre

Forest pests: timely action

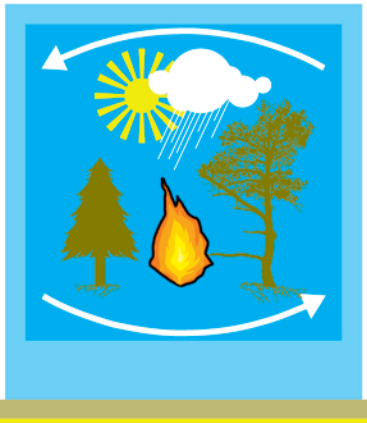
Many exotic and native pests threaten Canada's forests, including spruce budworm, emerald ash borer, hemlock looper and white pine blister rust. LFC researchers are seeking to learn more about these insect pests and diseases in order to develop suitable detection and control methods.

Do these areas of research appeal to you?
If so, you share a common interest with these research scientists!

Jean **BÉRUBÉ**	forest pest management
Johanne **DELISLE**	forest entomology
Pierre **DESROCHERS**	forest health
Richard **HAMELIN**	forest pest biotechnology
Gaston **LAFLAMME**	forest pathology
Robert **LAVALLÉE**	forest pest management
Deepa **PURESWARAN**	forest insect ecology
Jacques **RÉGNIÈRE**	insect population dynamics
Danny **RIOUX**	forest pathology, tree defence mechanisms
Philippe **TANGUAY**	molecular forest pathology
Kishan **SAMBARAJU**	modelling-epidemiology

Ecosystem dynamics: climate change in focus

How will trees adapt to the changes in their environment? What impacts will climate change have on Canada's forests? How will climate change affect forest fire frequency? What effect will human activities have on the forest carbon balance? These are just some of the questions that LFC scientists are addressing in their research. By increasing knowledge of biodiversity, they are also supporting the development of more sustainable forestry practices.



Come and help our research scientists find answers to these questions!

Louis **DE GRANDPRÉ**	plant ecology and forest dynamics
Sylvie **GAUTHIER**	forest succession
Martin **GIRARDIN**	forest productivity modelling
Christian **HÉBERT**	forest insect ecology and diversity
Jan **KLIMASZEWSKI**	insect biodiversity

Canada

Ecogenomics: a new perspective

Ecogenomics can be used to increase understanding of the genetic diversity of commercial tree species and then exploit this diversity to enhance the competitiveness of the Canadian forest sector. One challenge relates to the production of trees with desirable wood characteristics. Researchers in the field of ecogenomics also study forest insects and pathogens.

Why not consider an internship with one of these research scientists?

Jean **BEAULIEU**	forest genomics
Michel **CUSSON**	insect physiology and biochemistry
Nathalie **ISABEL**	forest and environmental genomics
Krystyna **KLIMASZEWSKA**	forest tree biotechnology
Bob **RUTLEDGE**	forest biotechnology
Armand **SÉGUIN**	forest genomics

Forest productivity: resource optimization for the future

LFC scientists want to gain a better understanding of forest productivity and dynamics in order to support sustainable forest management. They are also investigating the role that bioenergy can play in the transformation of the forest industry. National forest information and monitoring is also included in the forest productivity area of research.

Come and study with research scientists who have a passionate interest in these topics!

André **BEAUDOIN**	remote sensing and spatial modelling
Pierre **BERNIER**	forest productivity
Guy **LAROCQUE**	forest productivity modelling
Jean-Martin **LUSSIER**	silviculture and forest productivity
David **PARÉ**	forest soils, biogeochemistry and ecosystem sustainability
Évelyne **THIFFAULT**	forest biomass
Chhun-Huor **UNG**	forest growth and productivity

Calling all aspiring researchers!

Research will continue to play a leading role in Canada's important forest sector. By choosing to study in a field related to forestry, you can help to promote the sustainability of our forests.
For more information, visit our Web site: http://cfs.nrcan.gc.ca/regions/lfc.

In 2009-2010, more than 80 undergraduate and graduate students worked at or did an internship at the Laurentian Forestry Centre. Find out about the many opportunities available!

- Federal Student Work Experience Program (FSWEP): http://jobs-emplois.gc.ca/fswep-pfete/index-eng.htm
- Research Affiliate Program (RAP): http://jobs-emplois.gc.ca/rap-par/index-eng.htm
- NSERC – Visiting Fellowships in Canadian Government Laboratories Program: http://www.nserc-crsng.gc.ca/Students-Etudiants/PD-NP/Laboratories-Laboratoires/index_eng.asp
- Co-operative education program of your educational institution.